

# State Injury Profile for Arizona

## *About the State Injury Profiles...*

Following this introduction you will find the injury profile for your state and the nation. The maps and tables contain information on injury deaths and death rates; however, it is important to remember that hundreds of thousands of Americans are nonfatally injured each year, many of whom suffer permanent disabilities. Your state injury profile includes:

- The 10 leading causes of death by age group for your state and the nation. These charts contain the total number of deaths for the three-year period 1995 through 1997. The summary table at the bottom of each page shows the total number of injuries across all ages for the same three-year period and the average number of deaths per year.
- The tables on the next page show the number of deaths for your state and the nation for the leading causes of injury death (separated by the type of injury—unintentional, suicide, and homicide) for the same three-year period.
- The next pages contain U.S. maps indicating the death rate per 100,000 persons for all states over a three-year period (1995-1997) for the leading causes of injury death. Beneath each map is a graph showing the death rate over a 10-year period (1988-1997). These maps and graphs will allow you to compare death rates for your state to other states and understand the 10-year trend in your state compared to the U.S. trend.
- The last two maps in the Profile give death-rate data and 10-year trends for two of the most frequent and disabling types of injury-related deaths: traumatic brain injury-related deaths, which can be caused by falls, firearms, motor-vehicle crashes, or other causes; and firearm-related deaths, unintentional or the result of homicide or suicide.

This State Injury Profile 2000 is presented as an appendix to the Centers for Disease Control and Prevention (CDC) Injury Fact Book, *Working to Prevent and Control Injury in the United States*. The Fact Book contains information regarding the cost of injury and the value of prevention, the work of CDC's National Center for Injury Prevention and Control, and the Safe USA Partnership Council. The Fact Book also contains fact sheets for many of the leading causes of injury death. Additional information can also be obtained from—

- The CDC National Center for Injury Prevention and Control web site: <http://www.cdc.gov/ncipc/>
- The CDC National Center for Injury Prevention and Control, Office of Planning, Evaluation, and Legislation: 770-488-4936
- Safe USA web site: <http://www.cdc.gov/safe/>
- Safe USA toll-free number: 1-888-252-7751

# United States

## 10 Leading Causes of Deaths by Age Group: 1995-1997

Rank	Age Groups										Total
	<1	1-4	5-9	10-14	15-24	25-34	35-44	45-54	55-64	65+	
1	Congenital Anomalies 19,113	Unintentional Injuries 6,432	Unintentional Injuries 4,734	Unintentional Injuries 5,614	Unintentional Injuries 41,018	Unintentional Injuries 38,858	Malignant Neoplasms 51,258	Malignant Neoplasms 134,242	Malignant Neoplasms 261,040	Heart Disease 1,834,538	Heart Disease 2,197,898
2	Short Gestation 11,760	Congenital Anomalies 1,922	Malignant Neoplasms 1,593	Malignant Neoplasms 1,491	Homicide 19,978	HIV 23,935	Unintentional Injuries 43,023	Heart Disease 104,809	Heart Disease 201,533	Malignant Neoplasms 1,147,043	Malignant Neoplasms 1,617,565
3	SIDS 9,438	Malignant Neoplasms 1,350	Congenital Anomalies 706	Homicide 1,023	Suicide 13,328	Suicide 17,825	Heart Disease 40,047	Unintentional Injuries 29,523	Bronchitis Emphysema Asthma 30,143	Cerebro-vascular 419,616	Cerebro-vascular 477,724
4	Respiratory Distress Synd. 4,117	Homicide 1,247	Homicide 510	Suicide 931	Malignant Neoplasms 4,919	Homicide 16,665	HIV 39,570	HIV 17,951	Cerebro-vascular 29,087	Bronchitis Emphysema Asthma 274,359	Bronchitis Emphysema Asthma 317,955
5	Maternal Complications 3,802	Heart Disease 680	Heart Disease 387	Congenital Anomalies 647	Heart Disease 3,106	Malignant Neoplasms 14,327	Suicide 19,938	Cerebro-vascular 16,960	Diabetes 24,987	Pneumonia & Influenza 226,837	Unintentional Injuries 283,912
6	Placenta Cord Membranes 2,871	Pneumonia & Influenza 504	HIV 288	Heart Disease 554	HIV 1,318	Heart Disease 10,097	Homicide 11,689	Liver Disease 16,300	Unintentional Injuries 20,719	Diabetes 138,117	Pneumonia & Influenza 253,099
7	Unintentional Injuries 2,356	HIV 411	Pneumonia & Influenza 221	Bronchitis Emphysema Asthma 294	Congenital Anomalies 1,254	Cerebro-vascular 2,118	Liver Disease 10,853	Suicide 14,317	Liver Disease 15,921	Unintentional Injuries 91,315	Diabetes 183,657
8	Perinatal Infections 2,321	Septicemia 236	Bronchitis Emphysema Asthma 143	Pneumonia & Influenza 184	Bronchitis Emphysema Asthma 684	Diabetes 1,881	Cerebro-vascular 8,281	Diabetes 12,589	Pneumonia & Influenza 10,830	Alzheimer's Disease 63,461	Suicide 92,722
9	Pneumonia & Influenza 1,409	Perinatal Period 222	Benign Neoplasms 132	HIV 180	Pneumonia & Influenza 630	Pneumonia & Influenza 1,724	Diabetes 5,581	Bronchitis Emphysema Asthma 8,395	Suicide 8,675	Nephritis 62,838	HIV 90,761
10	Intrauterine Hypoxia 1,355	Benign Neoplasms 189	Anemias 98	Cerebro-vascular 135	Cerebro-vascular 527	Liver Disease 1,690	Pneumonia & Influenza 4,335	Pneumonia & Influenza 6,405	Septicemia 5,350	Septicemia 52,315	Liver Disease 75,444

### United States Total Number of Injury Deaths

<u>Cause</u>	<u>Deaths</u>	<u>Percent</u>
Unintentional Injury	283,912	64.5%
Intentional	156,434	35.5%
<b>Total (1995-1997)</b>	<b>440,346</b>	<b>100.0%</b>

Average Number of Injury Deaths per Year  
In the United States = **146,782**

# Arizona

## 10 Leading Causes of Deaths by Age Group: 1995-1997

Rank	Age Groups										Total
	<1	1-4	5-9	10-14	15-24	25-34	35-44	45-54	55-64	65+	
1	Congenital Anomalies 424	Unintentional Injuries 198	Unintentional Injuries 95	Unintentional Injuries 132	Unintentional Injuries 878	Unintentional Injuries 960	Unintentional Injuries 1,083	Malignant Neoplasms 1,754	Malignant Neoplasms 3,906	Heart Disease 25,455	Heart Disease 30,650
2	SIDS 165	Congenital Anomalies 36	Malignant Neoplasms 19	Homicide 27	Homicide 442	Suicide 466	Malignant Neoplasms 713	Heart Disease 1,513	Heart Disease 2,884	Malignant Neoplasms 18,035	Malignant Neoplasms 24,787
3	Short Gestation 152	Homicide 23	Homicide 11	Malignant Neoplasms 19	Suicide 361	Homicide 383	Heart Disease 549	Unintentional Injuries 646	Bronchitis Emphysema Asthma 623	Cerebro-vascular 6,262	Cerebro-vascular 7,015
4	Pneumonia & Influenza 75	Malignant Neoplasms 20	Congenital Anomalies 7	Suicide 17	Malignant Neoplasms 82	HIV 303	Suicide 489	Liver Disease 360	Unintentional Injuries 429	Bronchitis Emphysema Asthma 5,693	Bronchitis Emphysema Asthma 6,543
5	Placenta Cord Membranes 66	Pneumonia & Influenza 9	Benign Neoplasms 6	Congenital Anomalies 11	Heart Disease 43	Malignant Neoplasms 230	HIV 415	Suicide 318	Diabetes 404	Pneumonia & Influenza 3,185	Unintentional Injuries 6,254
6	Perinatal Infections 63	Cerebro-vascular 5	Heart Disease 6	Heart Disease 10	Congenital Anomalies 20	Heart Disease 150	Liver Disease 296	Diabetes 213	Cerebro-vascular 396	Diabetes 1,904	Pneumonia & Influenza 3,717
7	Maternal Complications 61	Heart Disease 5	Pneumonia & Influenza 5	Pneumonia & Influenza 9	Bronchitis Emphysema Asthma 13	Liver Disease 58	Homicide 264	Cerebro-vascular 205	Liver Disease 357	Unintentional Injuries 1,743	Diabetes 2,670
8	Unintentional Injuries 56	Perinatal Period 5	Bronchitis Emphysema Asthma 4	Bronchitis Emphysema Asthma 5	4 Tied	Diabetes 36	Diabetes 103	HIV 185	Suicide 169	Alzheimer's Disease 1,264	Suicide 2,288
9	Respiratory Distress Synd. 32	Septicemia 5	Septicemia 3	Meningo-coccal 2	4 Tied	Pneumonia & Influenza 36	Cerebro-vascular 101	Bronchitis Emphysema Asthma 140	Pneumonia & Influenza 164	Atherosclerosis 828	Liver Disease 1,705
10	Neonatal Hemorrhage 27	2 Tied	5 Tied	7 Tied	4 Tied	Cerebro-vascular 26	Pneumonia & Influenza 98	Homicide 135	Nephritis 84	Nephritis 813	Homicide 1,414

### Arizona Total Number of Injury Deaths

<u>Cause</u>	<u>Deaths</u>	<u>Percent</u>
Unintentional Injury	6,254	62.8%
Intentional Injury	3,702	37.2%
<b>Total (1995-1997)</b>	<b>9,956</b>	<b>100.0%</b>

Average Number of Injury Deaths per Year  
In Arizona = **3,319**

# 1995-1997 Leading Causes of Death

## Unintentional Injury

### United States Unintentional Injury

<u>Cause</u>	<u>Deaths</u>	<u>Percent</u>
MV Traffic	127,193	44.8%
Fall	33,633	11.8%
Poisoning	28,745	10.1%
Suffocation	12,987	4.6%
Drowning	12,360	4.4%
Fire/Burn	11,304	4.0%
Other Causes	<u>57,690</u>	<u>20.3%</u>
	<b>283,912</b>	<b>100.0%</b>

### Arizona Only Unintentional Injury

<u>Cause</u>	<u>Deaths</u>	<u>Percent</u>
MV Traffic	2,870	45.9%
Poisoning	867	13.9%
Fall	794	12.7%
Drowning	285	4.6%
Suffocation	228	3.6%
Other Causes	<u>1,210</u>	<u>19.3%</u>
	<b>6,254</b>	<b>100.0%</b>

## Intentional Injury

### United States Suicide

<u>Cause</u>	<u>Deaths</u>	<u>Percent</u>
Firearm	54,235	58.5%
Suffocation	15,960	17.2%
Poisoning	15,355	16.6%
Other Causes	<u>7,172</u>	<u>7.7%</u>
	<b>92,722</b>	<b>100.0%</b>

### Arizona Only Suicide

<u>Cause</u>	<u>Deaths</u>	<u>Percent</u>
Firearm	1,534	67.0%
Poisoning	350	15.3%
Suffocation	304	13.3%
Other Causes	<u>100</u>	<u>4.4%</u>
	<b>2,288</b>	<b>100.0%</b>

### United States Homicide and Legal Intervention

<u>Cause</u>	<u>Deaths</u>	<u>Percent</u>
Firearm	43,684	68.6%
Cut/Pierce	7,647	12.0%
Suffocation	2,327	3.7%
Other Causes	<u>10,054</u>	<u>15.8%</u>
	<b>63,712</b>	<b>100.0%</b>

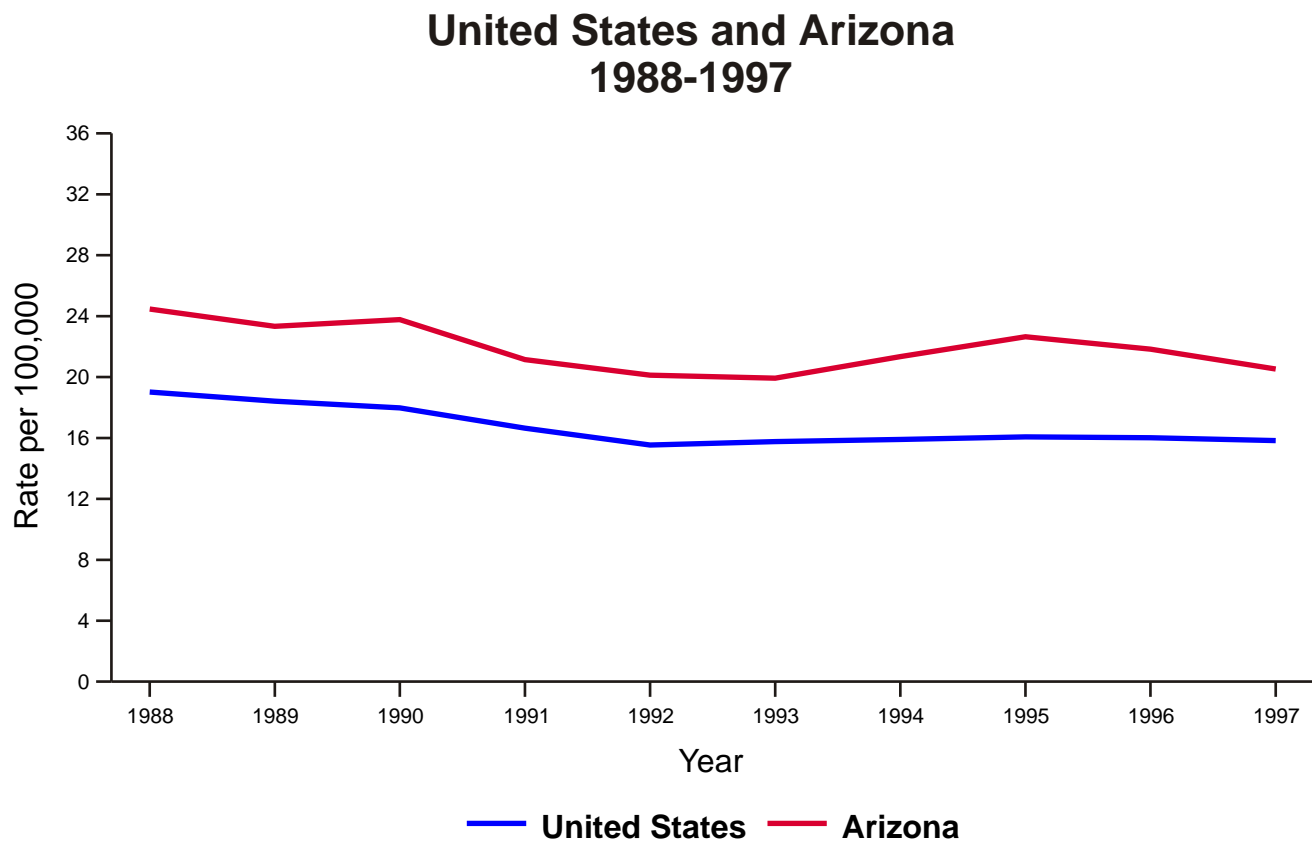
### Arizona Only Homicide and Legal Intervention

<u>Cause</u>	<u>Deaths</u>	<u>Percent</u>
Firearm	1,018	72.0%
Cut/Pierce	150	10.6%
Suffocation	42	3.0%
Other Causes	<u>204</u>	<u>14.4%</u>
	<b>1,414</b>	<b>100.0%</b>

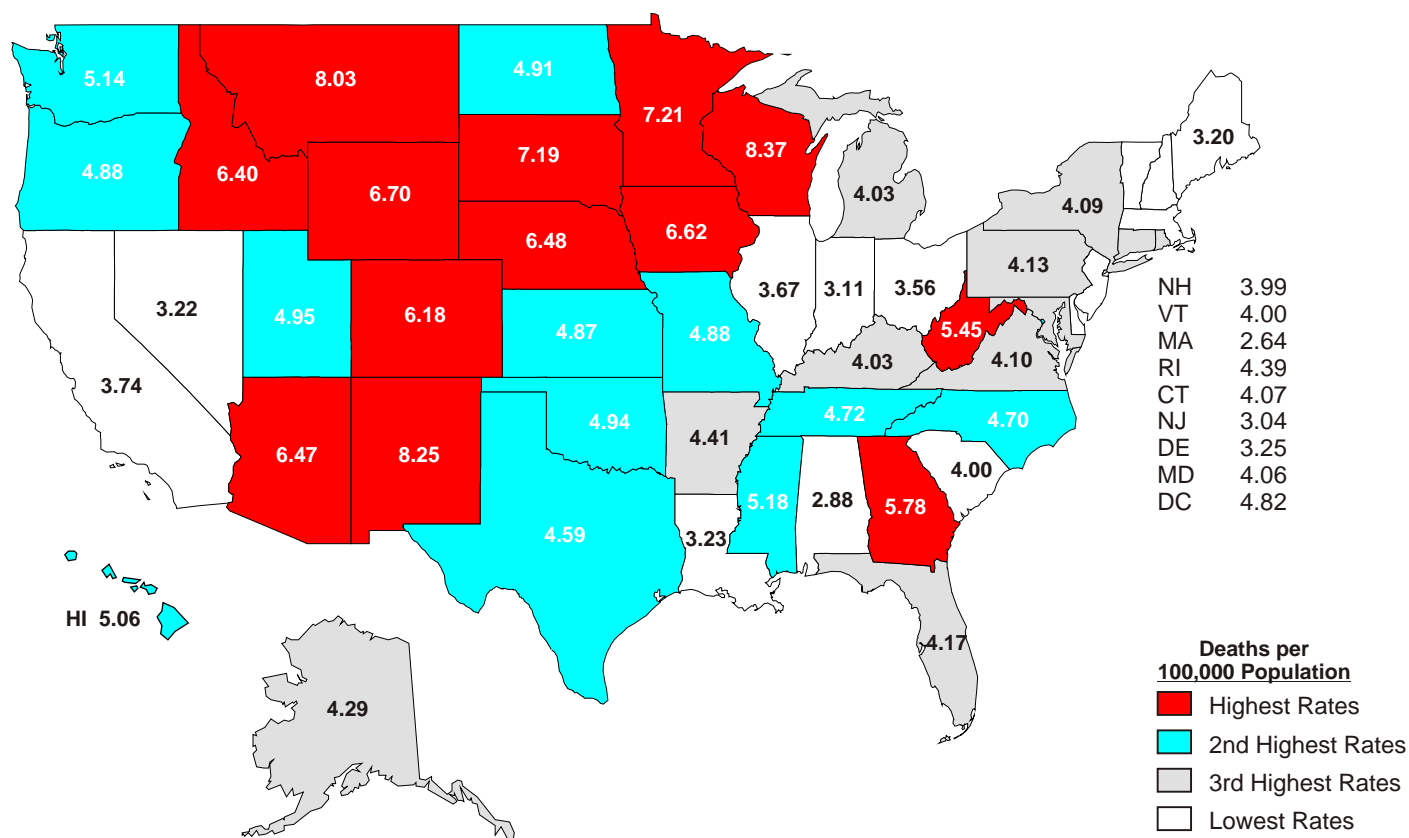
Deaths per 100,000 Popul

- Highest
- 2nd High
- 3rd High
- Lowest

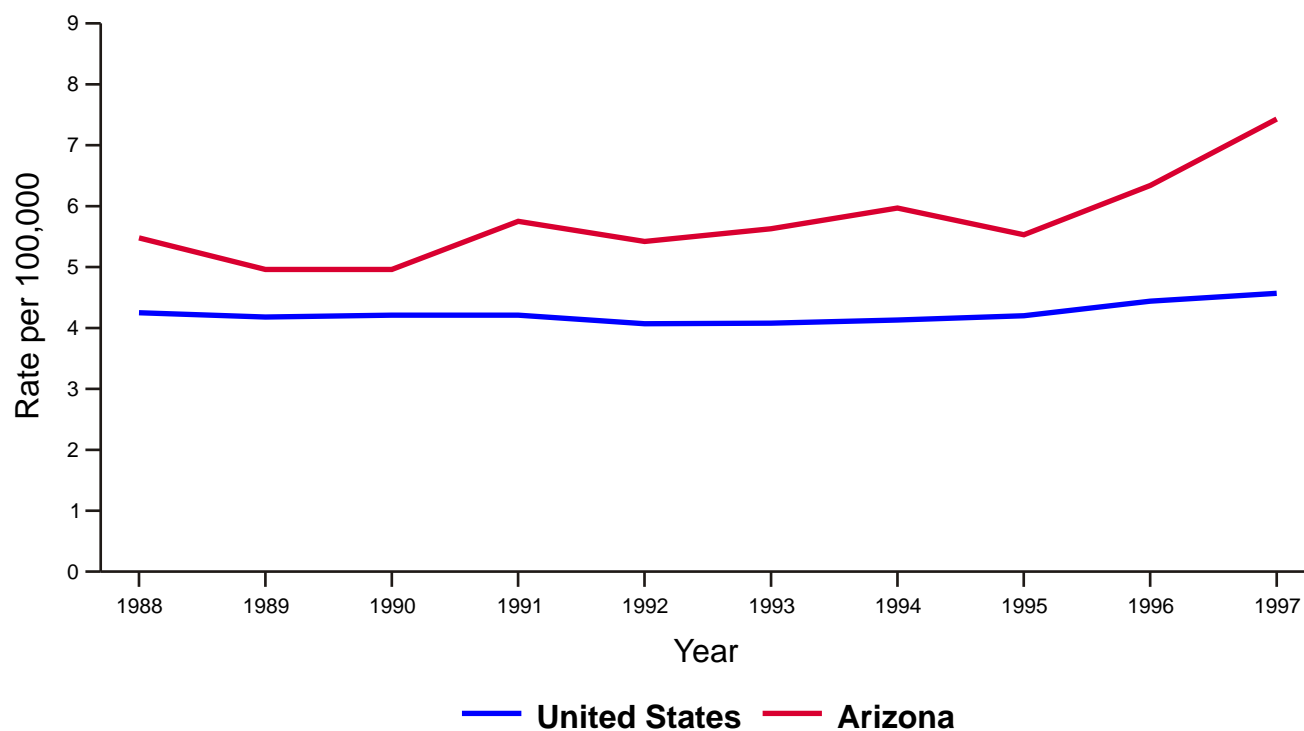
State	Death Rate per 100,000
AK	14.51
AR	25.84
AS	11.55
AZ	21.64
CA	13.02
CO	24.57
CT	10.49
DE	16.88
DC	10.73
FL	18.81
GA	21.18
HI	11.55
IA	18.50
ID	22.79
IL	20.47
IN	17.06
KS	16.45
KY	23.42
LA	20.72
MA	7.71
MD	13.08
ME	13.64
MI	15.98
MN	12.94
MO	19.13
MS	31.76
MT	14.45
NE	20.50
NH	11.19
NJ	10.33
NM	21.65
NY	12.81
OH	12.31
OK	23.72
OR	16.90
PA	13.56
RI	8.46
SC	23.35
SD	17.33
TN	20.23
TX	19.13
UT	20.50
VT	13.90
WA	13.40
WI	14.11
WY	20.50



## Unintentional Fall Death Rates United States, 1995-1997



## United States and Arizona 1988-1997



**Deaths per 100,000 Population**

- Highest
- 2nd Highest
- 3rd Highest
- Lowest

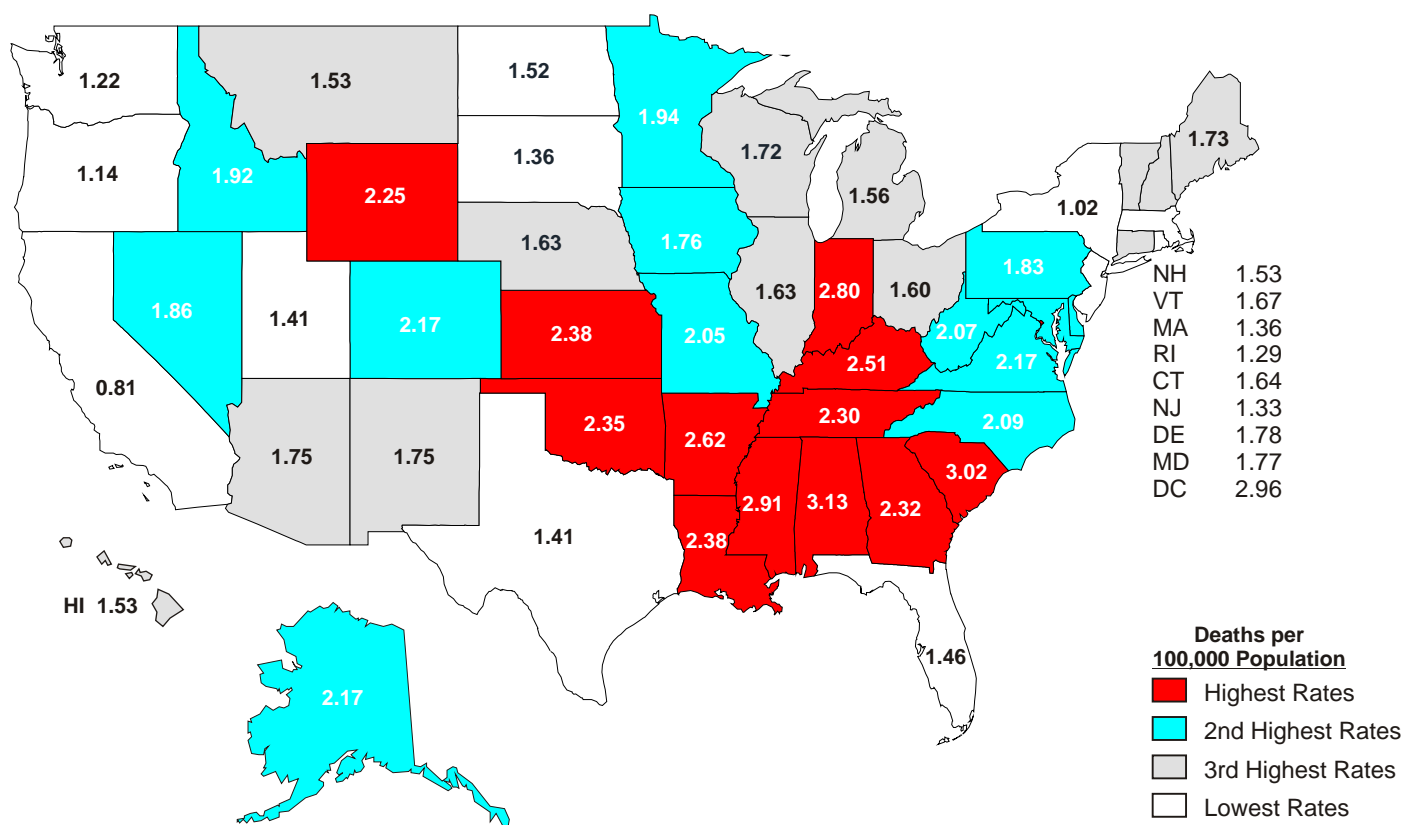
State	Deaths per 100,000 Population
WA	5.22
OR	5.21
CA	5.79
NV	4.49
HI	3.63
AK	6.47
MT	1.62
WY	1.30
SD	1.49
NE	1.27
KS	1.57
OK	10.34
TX	3.35
LA	2.42
MS	1.66
AL	2.19
GA	2.57
FL	3.26
NC	2.95
VA	2.70
MD	0.81
DE	5.07
NJ	5.87
CT	5.69
RI	0.86
MA	0.55
VT	1.60
NH	1.59
ME	1.66
NY	6.14
PA	5.14
IL	3.81
IN	1.47
OH	2.45
MI	1.81
WI	1.83
IA	1.55
MO	2.69
AR	1.36
LA	2.42
MS	1.66
AL	2.19
GA	2.57
NC	2.95
VA	2.70
MD	0.81
DE	5.07
NJ	5.87
CT	5.69
RI	0.86
MA	0.55
VT	1.60
NH	1.59
ME	1.66
NY	6.14
PA	5.14
IL	3.81
IN	1.47
OH	2.45
MI	1.81
WI	1.83
IA	1.55
MO	2.69
AR	1.36
LA	2.42
MS	1.66
AL	2.19
GA	2.57
NC	2.95
VA	2.70
MD	0.81
DE	5.07
NJ	5.87
CT	5.69
RI	0.86
MA	0.55
VT	1.60
NH	1.59
ME	1.66
NY	6.14
PA	5.14
IL	3.81
IN	1.47
OH	2.45
MI	1.81
WI	1.83
IA	1.55
MO	2.69
AR	1.36
LA	2.42
MS	1.66
AL	2.19
GA	2.57
NC	2.95
VA	2.70
MD	0.81
DE	5.07
NJ	5.87
CT	5.69
RI	0.86
MA	0.55
VT	1.60
NH	1.59
ME	1.66
NY	6.14
PA	5.14
IL	3.81
IN	1.47
OH	2.45
MI	1.81
WI	1.83
IA	1.55
MO	2.69
AR	1.36
LA	2.42
MS	1.66
AL	2.19
GA	2.57
NC	2.95
VA	2.70
MD	0.81
DE	5.07
NJ	5.87
CT	5.69
RI	0.86
MA	0.55
VT	1.60
NH	1.59
ME	1.66
NY	6.14
PA	5.14
IL	3.81
IN	1.47
OH	2.45
MI	1.81
WI	1.83
IA	1.55
MO	2.69
AR	1.36
LA	2.42
MS	1.66
AL	2.19
GA	2.57
NC	2.95
VA	2.70
MD	0.81
DE	5.07
NJ	5.87
CT	5.69
RI	0.86
MA	0.55
VT	1.60
NH	1.59
ME	1.66
NY	6.14
PA	5.14
IL	3.81
IN	1.47
OH	2.45
MI	1.81
WI	1.83
IA	1.55

The graph displays the rate of HIV infection per 100,000 people in the United States and Arizona from 1988 to 1997. The y-axis represents the rate per 100,000, ranging from 0 to 9. The x-axis represents the year, from 1988 to 1997. The United States is shown in blue, and Arizona is shown in red. Both regions show an overall increase in the rate of HIV infection over the period, with Arizona consistently having a higher rate than the United States.

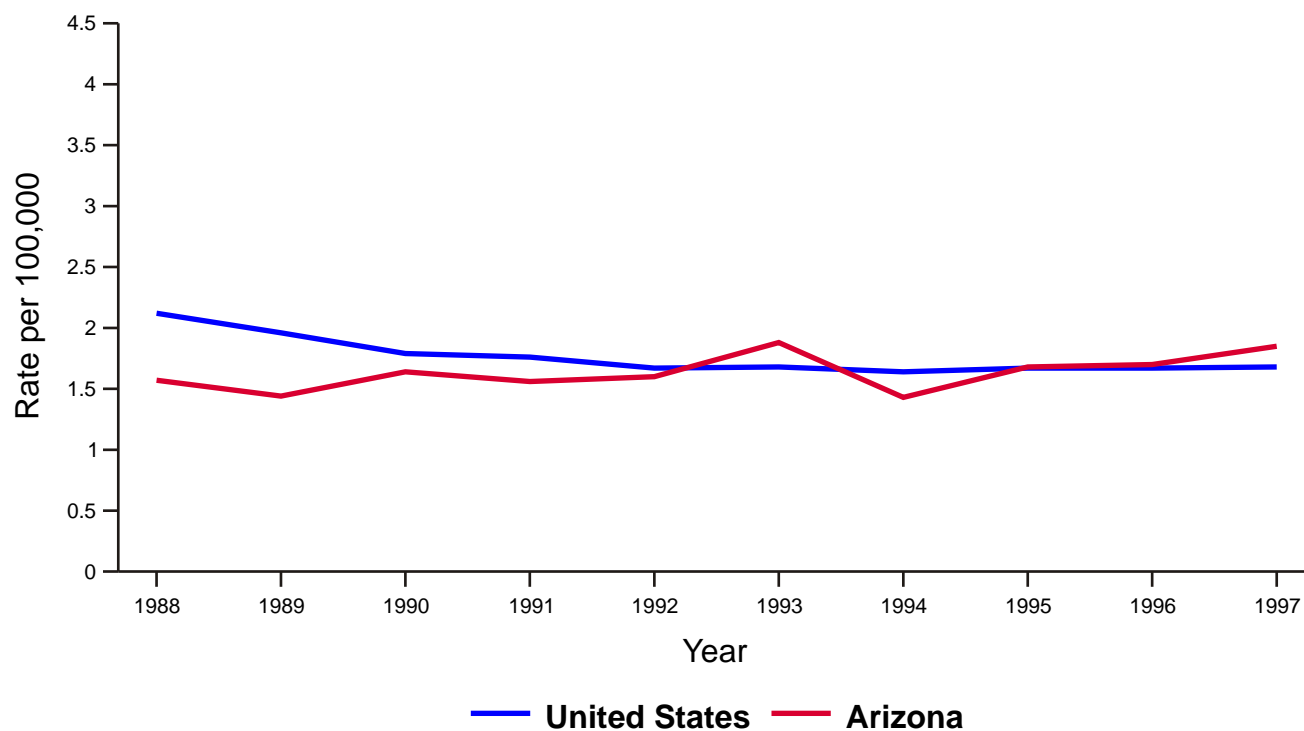
Year	United States	Arizona
1988	2.5	3.7
1989	2.6	3.6
1990	2.3	3.2
1991	2.5	2.6
1992	2.7	4.1
1993	3.3	4.5
1994	3.4	5.9
1995	3.4	5.8
1996	3.5	6.8
1997	3.7	7.0



## Unintentional Suffocation Death Rates United States, 1995-1997



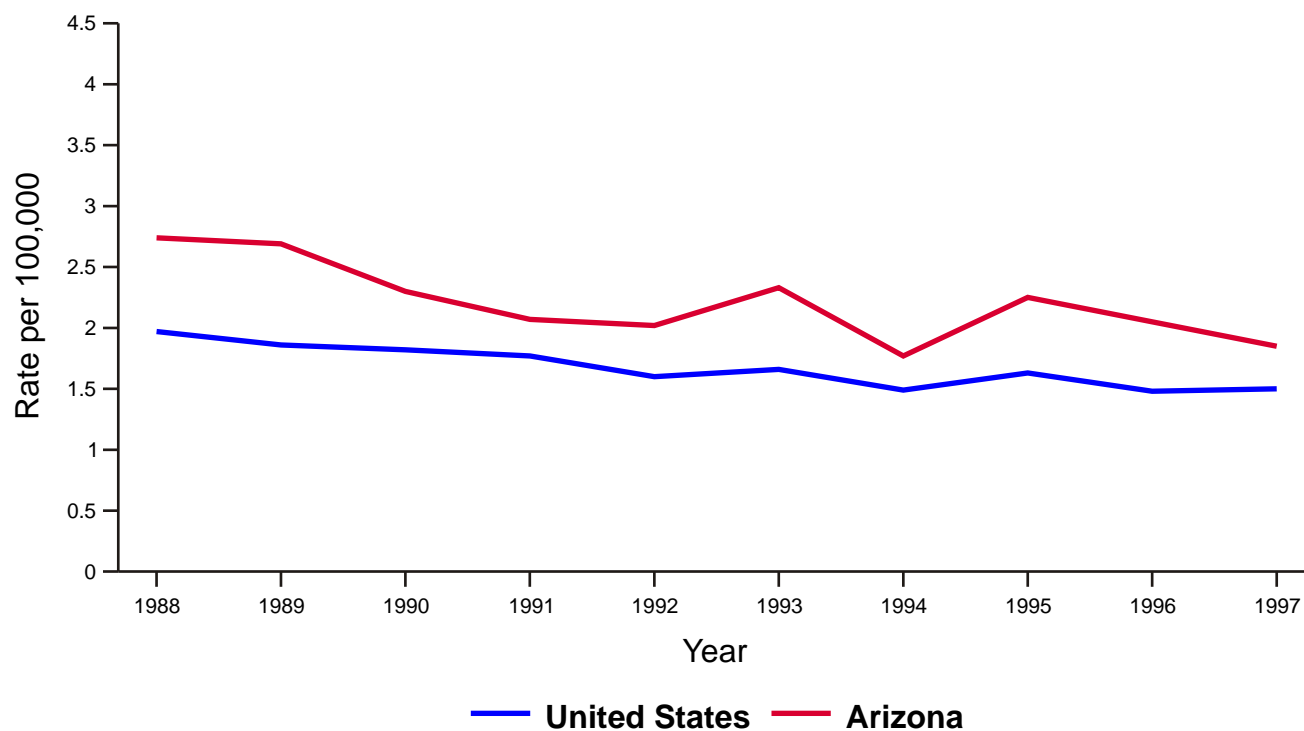
## United States and Arizona 1988-1997



## Unintentional Drowning Death Rates United States, 1995-1997



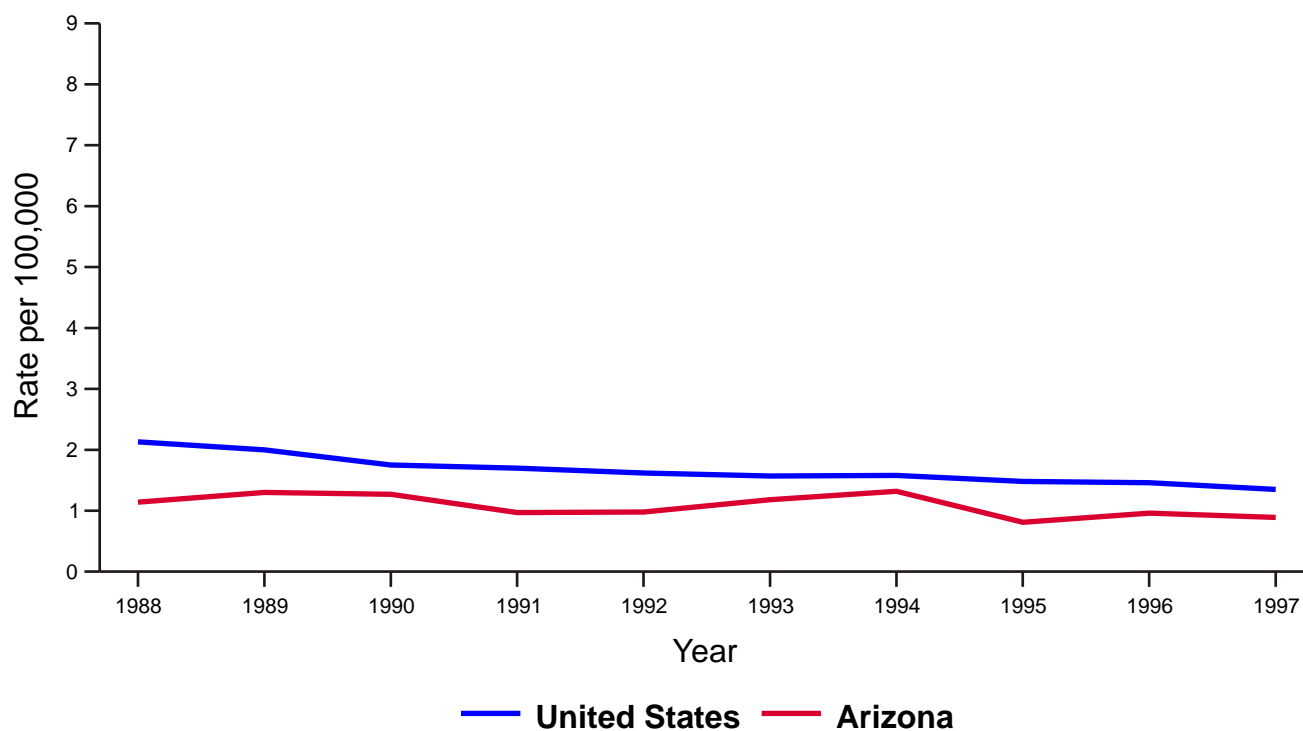
## United States and Arizona 1988-1997



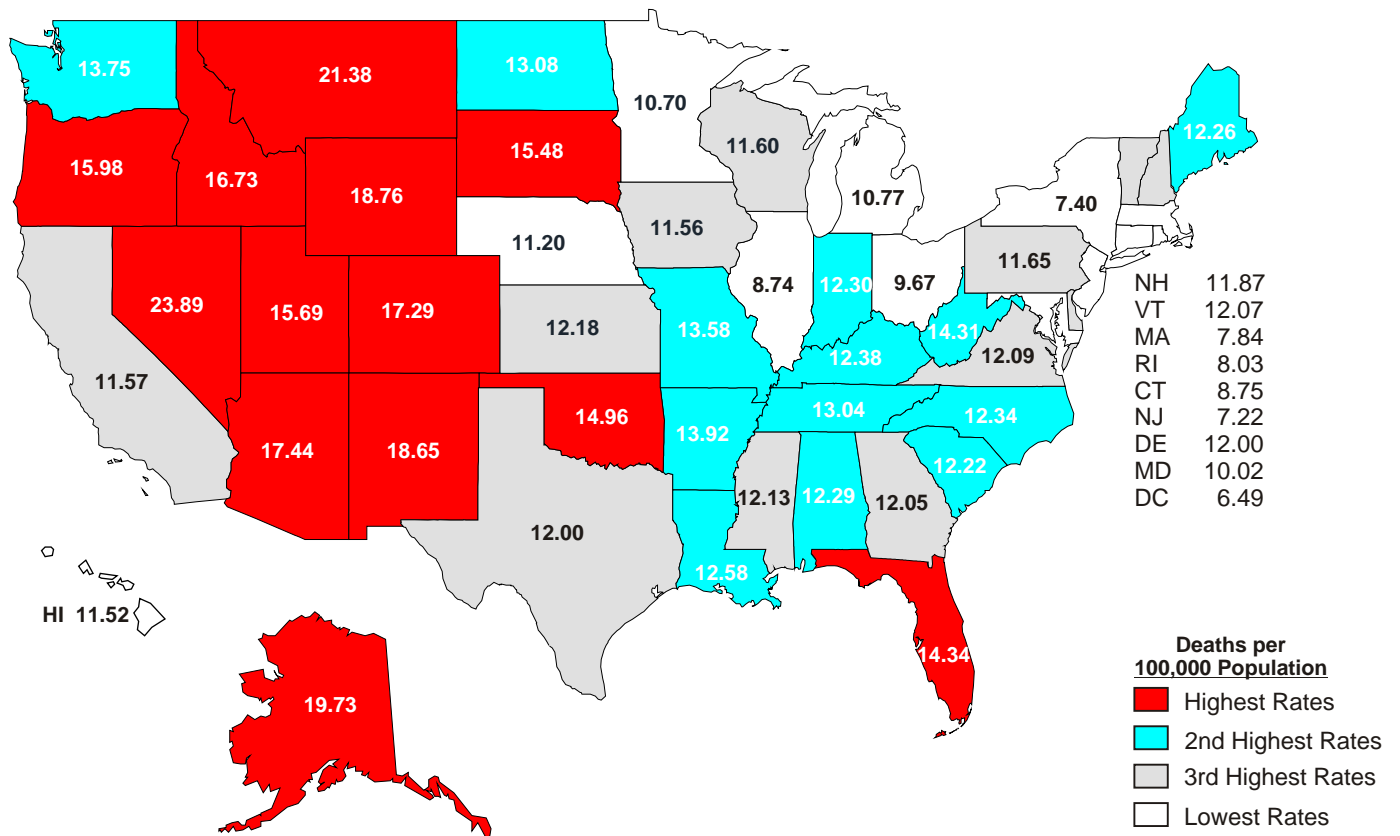
## Unintentional Fire and Burn-Related Death Rates United States, 1995-1997



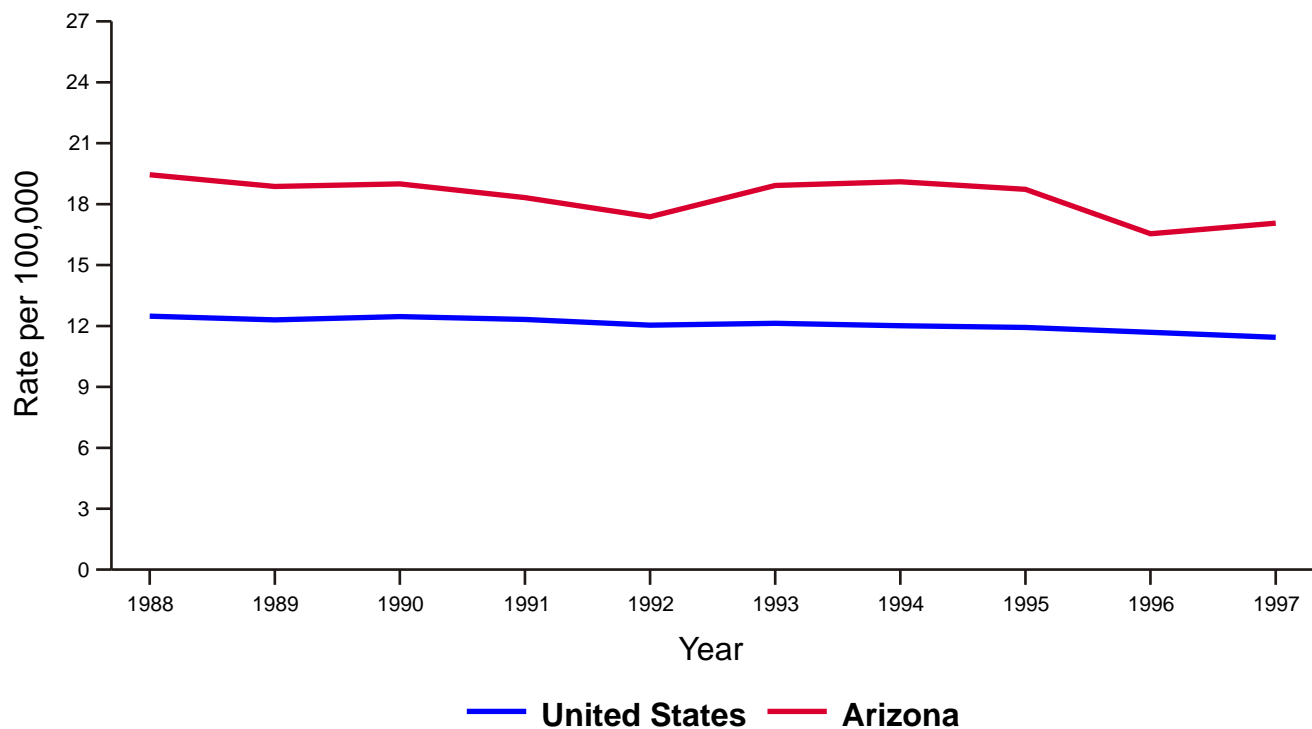
## United States and Arizona 1988-1997



## Suicide Death Rates United States, 1995-1997



## United States and Arizona 1988-1997



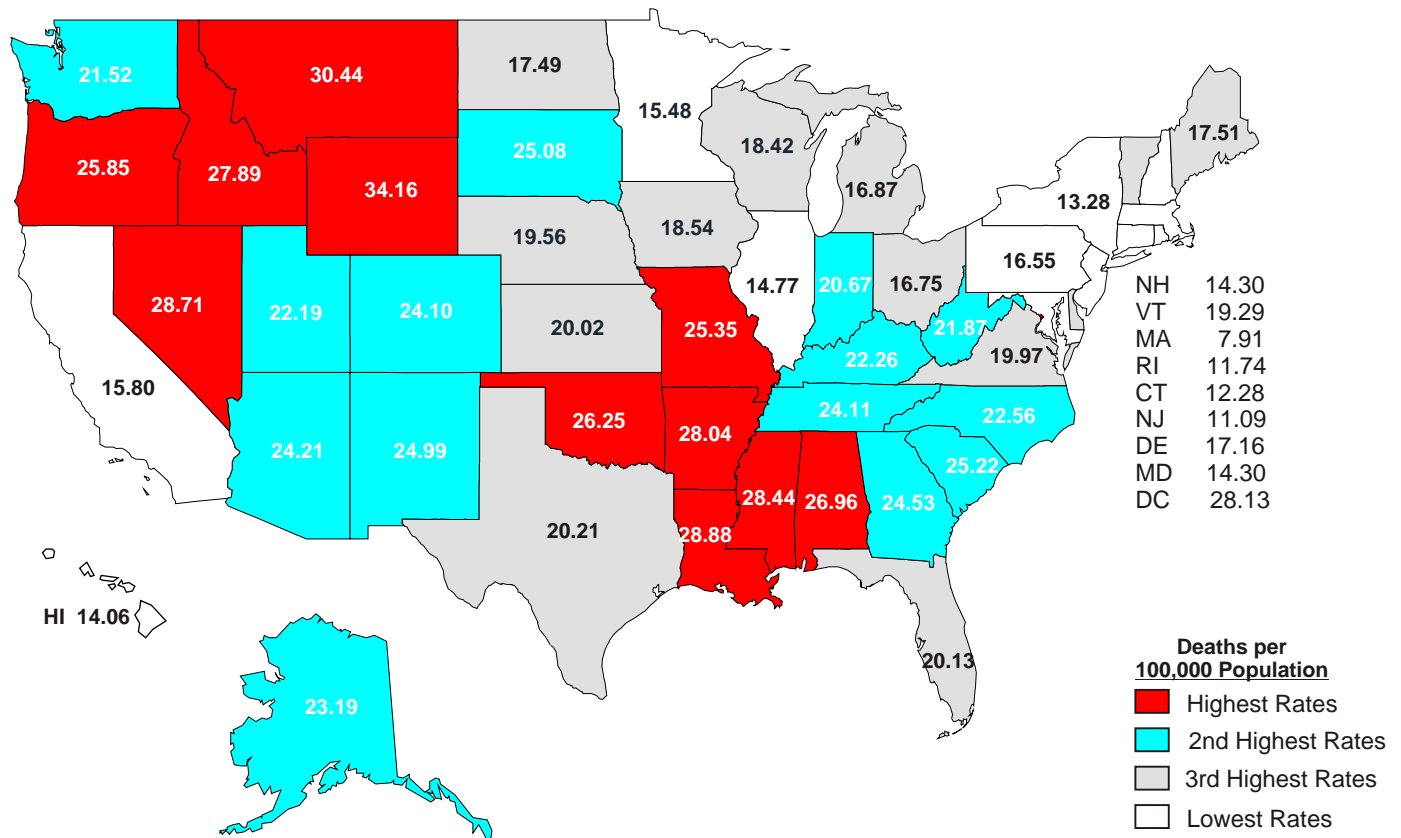
**Deaths per 100,000 Pop.**

- Highest
- 2nd Highest
- 3rd Highest
- Lowest

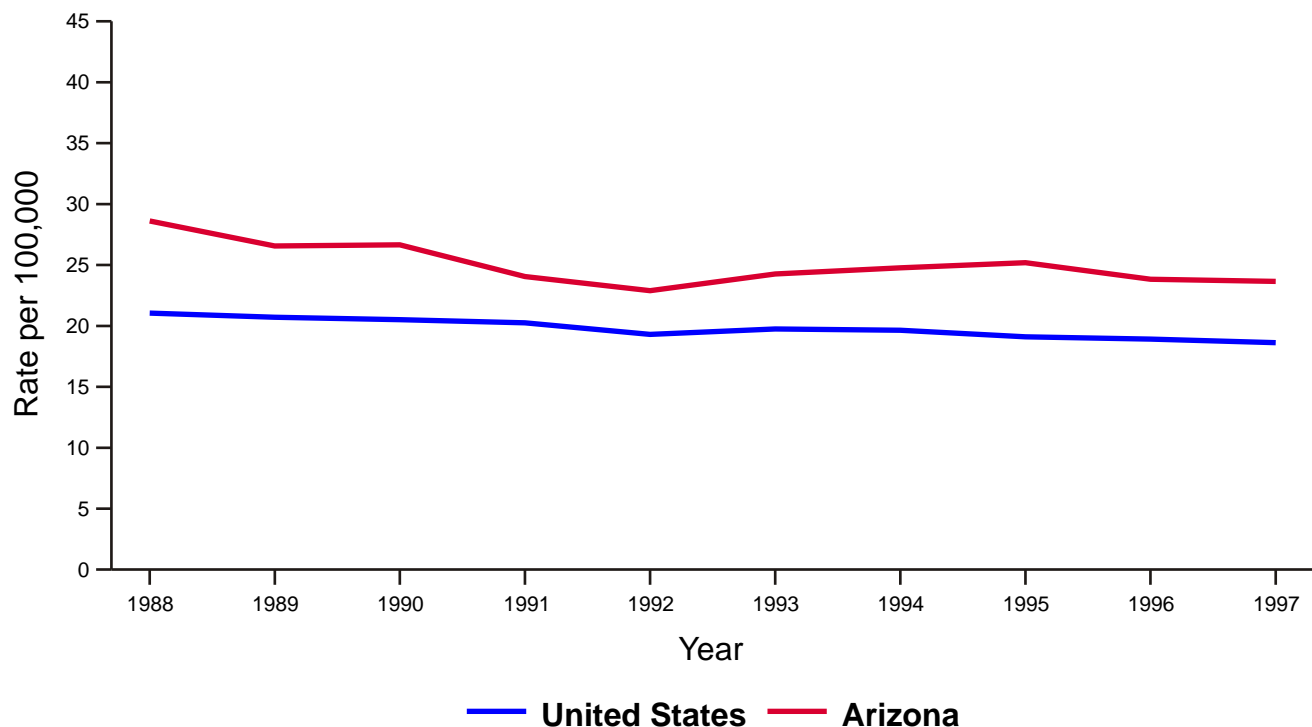
State	Death Rate per 100,000 Pop.
CA	11.34
OR	9.66
NV	10.53
NM	9.97
TX	8.17
OK	10.11
MO	11.04
IL	10.34
IN	7.11
OH	4.50
PA	6.45
NY	7.44
CT	4.74
RI	3.11
MA	3.07
VT	1.89
NH	1.86
ME	1.95
MD	11.66
DE	5.87
DC	56.87
VA	7.41
NC	9.07
SC	9.30
GA	9.27
FL	8.57
LA	16.79
MS	14.40
AL	12.02
TN	10.24
AR	11.04
WY	2.60
NE	3.63
KS	3.43
IA	2.46
WI	8.51
MI	8.60
WI	4.28
MT	1.87
ND	2.60
SD	3.63
WY	5.96
UT	5.23
CO	3.24
WY	3.56
WY	3.97
WY	4.51
WY	4.87
WY	4.72
HI	4.10
AK	8.18

Year	United States	Arizona
1988	8.5	9.0
1989	8.8	8.8
1990	9.5	8.3
1991	10.0	9.1
1992	9.5	9.5
1993	9.8	9.3
1994	9.3	11.0
1995	8.5	12.2
1996	7.8	10.0
1997	7.3	9.5

## Traumatic Brain Injury-Related Death Rates\* United States, 1995-1997

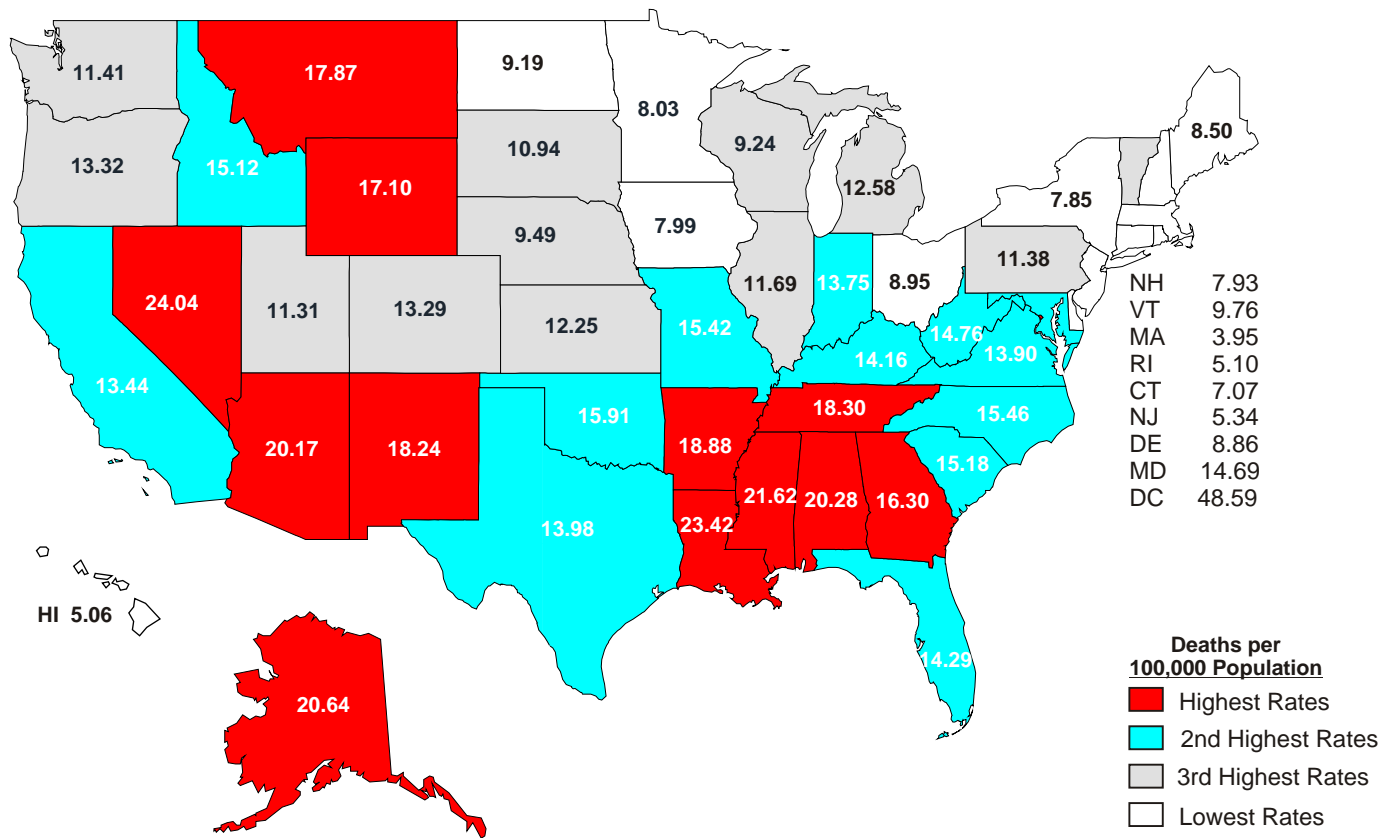


## United States and Arizona 1988-1997

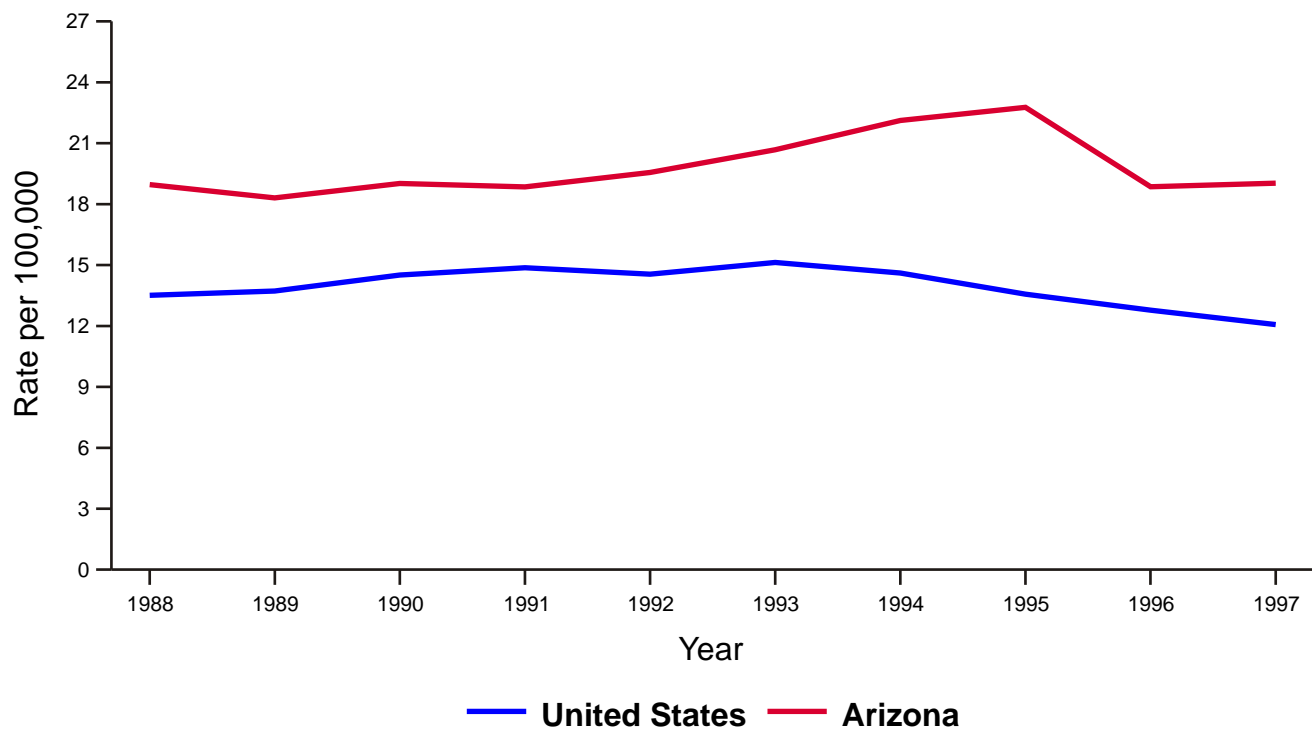


\* Includes unintentional and intentional deaths from motor vehicles, firearms, falls, and other causes (of determined and undetermined intent).

## Firearm-Related Death Rates\* United States, 1995-1997



## United States and Arizona 1988-1997



\* Includes deaths from firearm suicide, firearm homicide, unintentional firearm-related deaths, and firearm-related deaths of undetermined intent.

## **ARIZONA INJURY CONTROL PROJECTS**

### **Cooperative Agreements**

The National Center for Injury Prevention and Control (NCIPC) currently funds the following work through a cooperative agreement in Arizona:

- Traumatic Brain Injury Surveillance Program: a program to conduct population-based traumatic brain injury (TBI) surveillance to characterize the risk factors, incidence, external causes, severity, and short-term outcomes of TBI. This information will be used to help design prevention programs that address specific causes of TBI and populations at higher risk. These data may also be used to improve injured persons' access to health care and other services needed after injury.  
*(Arizona Department of Health Services)*

### **Research Grants**

At present, there are no research projects in Arizona funded by the NCIPC.